

STATIONARY SOURCE PERMIT TO MODIFY AND OPERATE

**This permit includes designated equipment subject to
New Source Performance Standards (NSPS)**

This permit supersedes your permit dated June 19, 2002.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Perdue Farms Incorporated
Post Office Box 1537
Salisbury, Maryland 21802-1537
Registration No.: 60519
AFS Id. No.: 51-550-00048

is authorized to modify and operate

a Grain Elevator Terminal

located at

501A Barnes Road
Chesapeake, Virginia 23324

in accordance with the Conditions of this permit.

Approved on **February DRAFT, 2007.**

Francis L. Daniel

Permit consists of 13 pages.
Permit Conditions 1 to 46.

INTRODUCTION

1. This permit approval is based on the permit applications dated December 6, 1978, December 14, 2001 and March 30, 2006, including amendment information dated January 9, 1979, March 23, 1979, April 24, 2002, July 10, 2006, October 8, 2006 and October 31, 2006. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

PROCESS REQUIREMENTS

2. **Equipment List** - Equipment to be operated at this facility consists of the following:

Equipment to be Constructed				
Reference No.	Equipment Description	Rated Capacity	Federal Requirements	Installation Date
TL-1/CL-1	Truck/container loadout station with fabric filter (FF-79)	200 tons/hour	NSPS Subpart DD	Dec. 2006

Equipment permitted prior to the date of this permit				
Reference No.	Equipment Description	Rated Capacity	Federal Requirements	Original Permit Date
MVU-1	Neuro marine vessel unloading station with fabric filter (FF-Neuro)	550 tons/hour	NSPS Subpart DD	June 19, 2002
MVL-1	Marine vessel loading with two loading arms (fabric filter on each arm) (FF-63 & 64)	1680 tons/hour	NSPS Subpart DD	June 5, 1979
TU-1	New truck unloading station (two bays) with fabric filter (FF-67)	1120 tons/hour	NSPS Subpart DD	June 19, 2002
TU-2	Original truck unloading station (two bays) with fabric filter (FF-79)	600 tons/hour	N/A	June 5, 1979
RCU-1	Rail car unloading station with fabric filter (FF-65)	1390 tons/hour	NSPS Subpart DD	June 5, 1979
RCL-1	Rail car loading station with fabric filter (FF-65)	420 tons/hour	NSPS Subpart DD	June 5, 1979

GH-1	Grain handling which includes: Turnheads for new concrete storage silos with fabric filter (FF-69); Weigh stations for loading and unloading (FF-65 & 66); Ship loading gallery with fabric filter (FF-62); and other internal grain transfer operations with fabric filters (FF-68 & FF-71)	1680 tons/hour	NSPS Subpart DD	June 5, 1979
GD-1	Natural gas-fired grain dryer	19.8 mmBtu/hour	N/A	June 19, 2002
SS-1	New concrete storage silos with fabric filter (FF-69)	1.5 million bushels	N/A	June 5, 1979
SS-2	Original steel storage silos	5.0 million bushels	N/A	December , 2006

Specifications included in the permit under this Condition are for informational purposes only and do not form enforceable terms or conditions of the permit.

(9 VAC 5-80-850)

3. **Emission Controls – Vessel Unloading** – Particulate emissions from the marine vessel unloader shall be controlled by a fabric filter (FF-Neuero) and a telescoping pneumatic pickup pipe. The fabric filter shall be provided with adequate access for inspection and shall be in operation when the marine vessel unloader is operating.
(9 VAC 5-80-850, 9 VAC 5-50-260, and 40 CFR Part 60, Subpart 60.302(d)(3))
4. **Emission Controls – Vessel loading** – Particulate emissions from all marine vessel loading operations shall be controlled by fabric filters (FF-63 and 64). Each fabric filter shall be provided with adequate access for inspection and shall be in operation when associated marine vessel loading is underway. The height of each loading spout, during vessel loading operations, should be held at the position necessary to prevent as much fugitive emissions leaving the hold of the vessel as possible.
(9 VAC 5-80-850, 9 VAC 5-50-260, and 40 CFR Part 60, Subpart 60.302(c)(4))
5. **Emission Controls – Rail Car Loading/Unloading** – Particulate emissions from all rail car loading and unloading operations shall be controlled by a fabric filter (FF-65). Each fabric filter shall be provided with adequate access for inspection and shall be in operation when the associated rail car loading or unloading is operating.
(9 VAC 5-80-850, 9 VAC 5-50-260, and 40 CFR Part 60, Subpart 60.302(c)(1))
6. **Emission Controls – Truck Unloading** – Particulate emissions from all truck unloading operations shall be controlled by fabric filters (FF-67 & 79). Each fabric filter shall be provided with adequate access for inspection and shall be in operation when the associated truck unloading is operating.
(9 VAC 5-80-850, 9 VAC 5-50-260, and 40 CFR Part 60, Subpart 60.302(c)(1))
7. **Emission Controls – Grain Handling Operations** – Particulate emissions from all grain handling operations shall be controlled using enclosed conveying system and by fabric filters (FF-62, 65, 66, 68, 69 & 71). Each fabric filter shall be provided with adequate access for inspection and shall be in operation when grain handling operations are underway.
(9 VAC 5-80-850, 9 VAC 5-50-260, and 40 CFR Part 60, Subpart 60.302(c)(2))

8. **Emission Controls – New Concrete Storage Silo Vent** – Particulate emissions from the new storage silos vents shall be controlled by a fabric filter (FF-69). The fabric filter shall be provided with adequate access for inspection and shall be in operation when grain transfer to the storage silo is operating.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
9. **Emission Controls – Grain dryer** – Particulate emissions from the natural gas-fired grain dryer shall be controlled by a mesh screen (less than 50-mesh) and a cyclone. The mesh screen and the cyclone shall be provided with adequate access for inspection and shall be in operation when the grain drier is operating.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
10. **Emission Controls – Truck and Container Loading** – Particulate emissions from all truck and container loading operations shall be controlled by a fabric filter (FF-79). The fabric filter shall be provided with adequate access for inspection and shall be in operation when the associated truck and container loading is operating.
(9 VAC 5-80-850, 9 VAC 5-50-260, and 40 CFR Part 60, Subpart 60.302(c)(3))
11. **Monitoring Devices** – All fabric filters shall be equipped with devices to continuously measure the differential pressure drop across the fabric filter. Each monitoring device shall be installed, maintained, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the associated processes are operating.
(9 VAC 5-80-850)
12. **Monitoring Device Observation** – To ensure good performance, the monitoring devices used to continuously measure differential pressure drop across the fabric filters shall be observed by the permittee with a frequency of not less than once per week to ensure good performance of the fabric filters. The permittee shall keep a log of the observations from the monitoring devices.
(9 VAC 5-80-850)

OPERATING LIMITATIONS

13. **Throughput – Truck Unloading** - The grain throughput of the new and old truck unloading stations (combined) shall not exceed 1,875,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

14. **Throughput – Rail Car Unloading** - The grain throughput of the rail car unloading station shall not exceed 1,910,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
15. **Throughput – Marine Vessel Unloading** - The grain throughput of the marine vessel unloading station shall not exceed 1,345,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
16. **Throughput – Grain Dryer** - The grain throughput of the grain dryer shall not exceed 1,000,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
17. **Throughput – Grain Handling Operations** - The grain and grain products (meal) throughput for the internal grain handling operations shall not exceed 24,520,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
18. **Throughput – Storage Silos** - The grain and grain products (meal) throughput for the new and old storage silos (combined) shall not exceed 6,130,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)
19. **Throughput – Rail Car Loading** - The grain and grain products (meal) throughput of the rail loading station shall not exceed 530,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

20. **Throughput – Vessel Loading** - The grain and grain products (meal) throughput of the marine vessel loading station shall not exceed 5,500,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 (9 VAC 5-80-850 and 9 VAC 5-50-260)
21. **Throughput – Truck and Container Loading** - The grain and grain products (meal) throughput of the truck and container loading facilities shall not exceed 100,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 (9 VAC 5-80-850 and 9 VAC 5-50-260)
22. **Fuel** - The approved fuel for the grain dryer is natural gas. A change in the fuel may require a permit to modify and operate.
 (9 VAC 5-80-850 and 9 VAC 5-50-260)
23. **Fuel Throughput** - The natural gas-fired grain dryer shall consume no more than 154×10^6 cubic feet of natural gas, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 (9 VAC 5-80-850 and 9 VAC 5-50-260)
24. **Requirements by Reference** - Except where this permit is more restrictive than the applicable requirement, the NSPS equipment as described in Condition 2 shall be operated in compliance with the requirements of 40 CFR 60, Subpart DD.
 (9 VAC 5-50-400 and 9 VAC 5-50-410)

EMISSION LIMITS

25. **Emission Limits** - Emissions from the operations listed shall not exceed the limits specified below:
- | <u>Operation</u> | <u>NSPS</u> | <u>PM</u> | <u>PM10</u> | <u>Condition Nos.</u> |
|-------------------------|--------------|--------------|--------------|-----------------------|
| Truck Unloading | 0.01 gr/dscf | 16.0 tons/yr | 5.0 tons/yr | 6, 13 |
| Rail Car Unloading | 0.01 gr/dscf | 4.8 tons/yr | 1.2 tons/yr | 5, 14 |
| Marine Vessel Unloading | 0.01 gr/dscf | 1.2 tons/yr | 0.3 tons/yr | 3, 15 |
| Column Grain Drier | 0.01 gr/dscf | 6.5 tons/yr | 1.6 tons/yr | 9, 16 |
| Marine Vessel Loading | 0.01 gr/dscf | 20.9 tons/yr | 5.2 tons/yr | 4, 20 |
| Rail Car Loading | 0.01 gr/dscf | 0.1 tons/yr | 0.01 tons/yr | 5, 19 |
| Internal Handling – All | 0.01 gr/dscf | 26.0 tons/yr | 14.5 tons/yr | 7, 17 |
| Storage Silo Loading | N/A | 11.8 tons/yr | 10.6 tons/yr | 8, 18 |
| Truck/Container Loading | 0.01 gr/dscf | 0.5 tons/yr | 0.2 tons/yr | 10, 21 |

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined from listed Conditions. The particulate standards; gr/dscf apply to the dust collector exhausts. Test methods and procedures described in 40 CFR 60.303 are to be used for any compliance demonstrations.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

26. Emission Limits – Grain Dryer - Emissions from the operation of the grain drier shall not exceed the limits specified below:

Particulate Matter	3.8 lbs/hour	7.1 tons/yr
PM10	1.0 lbs/hour	1.8 tons/yr
Carbon Monoxide	1.7 lbs/hour	6.5 tons/yr
Nitrogen Oxides (as NO ₂)	2.0 lbs/hour	7.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 9, 16, 22, 23 and 33.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

27. Facility wide Emission Limits - Total emissions from the grain elevator facility shall not exceed the limits specified below:

Particulate Matter (PM)	88.4 tons/yr
PM-10	38.7 tons/yr
Carbon Monoxide	6.5 tons/yr
Nitrogen Oxides (as NO ₂)	7.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3-10, 13-23 and 33.
(9 VAC 5-80-850 and 9 VAC 5-50-260)

28. Visible Emission Limit – Fabric Filters (NSPS) - Visible emissions from the control equipment (each fabric filter) associated with truck loading and unloading, rail loading and unloading, marine vessel loading and unloading and grain handling operations shall not exceed 0% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-850 and 40 CFR 60, Subpart 60.302 (b)(2))

29. **Visible Fugitive Emission Limit – Loading/Unloading (NSPS)** - Visible fugitive emissions from the truck unloading, rail loading and rail unloading operations shall not exceed 5% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-850)
30. **Visible Fugitive Emission Limit – Grain Handling Operations (NSPS)** - Visible fugitive emissions from the grain handling operations shall not exceed 0% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-850 and 40 CFR 60, Subpart 60.303 (c)(2))
31. **Visible Fugitive Emission Limit – Truck and Container Loading (NSPS)** - Visible fugitive emissions from the truck and container loading operations shall not exceed 10% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-850 and 40 CFR 60, Subpart 60.303 (c)(3))
32. **Visible Fugitive Emission Limit – Marine Loading (NSPS)** - Visible fugitive emissions from the marine vessel loading operations shall not exceed 20% opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-850 and 40 CFR 60, Subpart 60.303 (c)(4))

RECORDS

33. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
- a. Annual throughput of natural gas to the grain dryer, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - b. Annual throughput of grain unloaded from trucks, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - c. Annual throughput of grain unloaded from rail cars, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

- d. Annual throughput of grain unloaded from marine vessels, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- e. Annual throughput of grain and grain products (meal) loaded into rail cars, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- f. Annual throughput of grain and grain products (meal) loaded into marine vessels, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- g. Annual throughput of grain fed into the grain dryer, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- h. Annual throughput of grain and grain products (meal) fed through the grain handling operation, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- i. Annual throughput of grain and grain products (meal) fed through the new and old storage silos (combined), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- j. Annual throughput of grain loaded into trucks and containers, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- k. Operation and control device monitoring records for the each fabric filter as required in Condition Nos. 11 and 12.
- l. Results of all stack tests, visible emissions evaluations and performance evaluations.
- m. Scheduled and unscheduled maintenance and operator training.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-850 and 9 VAC 5-50-50)

34. **Emissions Testing** - The truck and container loadout operation shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. This includes constructing the facility/equipment such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and providing a stack or duct that is free from cyclonic flow. Sampling ports shall be provided when requested at the truck and container loadout and safe sampling platforms and access shall be provided.
(9 VAC 5-80-880 and 9 VAC 5-80-850)

INITIAL COMPLIANCE DETERMINATION

35. **Stack Test** – Initial performance tests shall be conducted at the truck and container loading station fabric filter (FF-79) for particulate grain loading and volumetric flow rate to determine compliance with the emission limits contained in Condition 24. Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. Method 2 shall be used to determine the ventilation volumetric flow rate. Method 17 may be used as an alternative to Method 5. The tests shall be performed and reported within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the truck and container loadout operation. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30 and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. The details of the tests are to be arranged with the Tidewater Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the Tidewater Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-80-1200, 9 VAC 5-50-410, and 40 CFR 60.303)
36. **Visible Emissions Evaluation** – Concurrently with the initial performance tests, Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall be conducted by the permittee on the truck and container loadout station fabric filter (FF-79) and for fugitive emissions. Each test shall consist of 30 sets of 24 consecutive observations at 15 second intervals to yield a six-minute average. The details of the test are to be arranged with the Tidewater Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed, and reported within 60 days after achieving the maximum production rate at which the facility will be operated, but in no event later than 180 days after start-up of the permitted facility. Should conditions prevent concurrent opacity observations, the Tidewater Regional Office shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions as the initial performance tests. Two copies of the test result shall be submitted to the Tidewater Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-80-1200, 9 VAC 5-50-410, and 40 CFR 60.303)

NOTIFICATIONS

37. **Initial Notifications** - The permittee shall furnish written notification to the Director, Tidewater Regional Office of:

- a. The actual date on which construction of the truck and container loadout commenced within 30 days after such date.
- b. The anticipated start-up date of the truck and container loadout operation, postmarked not more than 60 days nor less than 30 days prior to such date.
- c. The actual start-up date of the truck and container loadout operation within 15 days after such date.
- d. The anticipated date of performance tests of the truck and container loadout operation postmarked at least 30 days prior to such date.

Copies of the written notification referenced in items a through d above are to be sent to:

Associate Director
Office of Air Enforcement (3AP10)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(9 VAC 5-50-50 and 9 VAC 5-80-1180)

GENERAL CONDITIONS

38. **Permit Invalidation** – This permit to construct the truck and container loadout shall become invalid, unless an extension is granted by the DEQ, if:

- a. A program of continuous construction, reconstruction, or modification is not commenced within the latest of the following:
 - i. 18 months from the date of this permit or;
 - ii. Nine months from the date that the last permit or other authorization was issued from any other governmental entity;
 - iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or
- b. A program of construction, reconstruction, or modification is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-1210)

39. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:

- a. Knowingly makes material misstatements in the permit application or any amendments to it;
- b. Fails to comply with the conditions of this permit;
- c. Fails to comply with any emission standards applicable to a permitted emissions unit,;
- d. Causes emissions from the stationary source which result in violations of, or interfere with the attainment and maintenance of, any ambient air quality standard; or

- e. Fails to operate in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.

(9 VAC 5-80-1010)

40. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
 - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
 - d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130 and 9 VAC 5-80-850)

41. **Maintenance/Operating Procedures** – At all times, including periods of start-up, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

(9 VAC 5-50-20 E and 9 VAC 5-80-850)

42. **Record of Malfunctions** – The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.

(9 VAC 5-20-180 J and 9 VAC 5-80-1180 D)

43. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Tidewater Regional Office.
(9 VAC 5-20-180 C and 9 VAC 5-80-850)
44. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-20-180 I and 9 VAC 5-80-850)
45. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Tidewater Regional Office of the change of ownership within 30 days of the transfer.
(9 VAC 5-80-940)
46. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
(9 VAC 5-80-860 D)

SOURCE TESTING REPORT FORMAT

Report Cover

1. Plant name and location
2. Units tested at source (indicate Ref. No. used by source in permit or registration)
3. Test Dates.
4. Tester; name, address and report date

Certification

1. Signed by team leader/certified observer (include certification date)
2. Signed by responsible company official
3. *Signed by reviewer

Copy of approved test protocol

Summary

1. Reason for testing
2. Test dates
3. Identification of unit tested & the maximum rated capacity
4. *For each emission unit, a table showing:
 - a. Operating rate
 - b. Test Methods
 - c. Pollutants tested
 - d. Test results for each run and the run average
 - e. Pollutant standard or limit
5. Summarized process and control equipment data for each run and the average, as required by the test protocol
6. A statement that test was conducted in accordance with the test protocol or identification & discussion of deviations, including the likely impact on results
7. Any other important information

Source Operation

1. Description of process and control devices
2. Process and control equipment flow diagram
3. Sampling port location and dimensioned cross section Attached protocol includes: sketch of stack (elevation view) showing sampling port locations, upstream and downstream flow disturbances and their distances from ports; and a sketch of stack (plan view) showing sampling ports, ducts entering the stack and stack diameter or dimensions

Test Results

1. Detailed test results for each run
2. *Sample calculations
3. *Description of collected samples, to include audits when applicable

Appendix

1. *Raw production data
2. *Raw field data
3. *Laboratory reports
4. *Chain of custody records for lab samples
5. *Calibration procedures and results
6. Project participants and titles
7. Observers' names (industry and agency)
8. Related correspondence
9. Standard procedures

_____ * Not applicable to visible emission evaluations

DRAFT PERMIT APPROVAL FORM

Department of Environmental Quality
Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, Virginia 23462

Instructions:

The "Draft Permit Approval Form" provides the owner or certified company official an opportunity to accept or suggest appropriate changes to a draft permit. If a signed form is not received within one (1) week of the date of receipt of the draft permit, DEQ will assume that the draft permit is considered acceptable and will proceed with processing the permit. **Please check the applicable statement(s) below after thoroughly reviewing the draft permit. Forms may be returned by facsimile to 757-518-2009.**

Attention: Stephen A. Hackney or Ms. Jane A. Workman.

_____ The owner or certified company official agrees with the conditions of the draft permit dated _____

_____. Please proceed to issue the permit with no change.

_____ The owner or certified company official finds condition number(s)

_____ of the draft permit dated _____ unacceptable.

_____ The suggested changes are attached for your consideration.

_____ The owner or certified company official requests further discussion with DEQ regarding the above referenced condition(s).

Signature: _____

Name: _____

Title: _____

Facility: _____

Date: _____